



Logistics Enterprise Architecture

“Providing a single authoritative strategic map of future Logistics business practices, systems, and organizations”

Why transform?

The United States Air Force logistics supply chains is one of the largest and most complex supply chains (logistics chain) in the world, involving millions of parts, thousands of business and production processes, and hundreds of information systems. There are significant opportunities to improve the Air Force Logistics chain in terms of performance and cost. Current processes, organizational infrastructure and systems limit the ability to realize dramatic improvement. This requires a revolution in thinking and action.

There are many disparate on-going initiatives within the Logistics community that seek to improve Logistics performance. While all of these initiatives are moving towards improvement, they are not necessarily moving towards common goals. There is limited common awareness or understanding of how these initiatives must integrate in a coordinated effort to meet AF corporate goals. Further, multiple architectures are being developed at the OSD level, AF level, Command Level, and Air Staff level that require Logistics involvement and compliance.

What is LogEA?

The Logistics Enterprise Architecture (LogEA) seeks to provide a single authoritative strategic map of future Logistics business practices, systems, and organizations. The LogEA is a compilation of Operational Architecture, Systems Architecture, and a Transition Plan that will provide the overall future state direction for Logistics. LogEA is defining and implementing the guiding principles for the Logistics Transformation via the implementation of business processes, systems, and organizations. In addition, it will provide the framework to meet future POM requirements

(BMMP/BEA), become the Logistics Enterprise Governance document, become the guide for centrally managing the implementation of Enterprise wide initiatives and provide EA (Enterprise Architecture) guidelines for decentralized implementation of initiatives.

What are other successful Supply Chain operations doing?

Successful Supply Chains within and outside the DoD community have defined future state architectures that guide their transformations. To successfully meet organizational goals, a clear definition of the desired end state, the path to reach the end-state, and the means by which to reach it must be clearly articulated. Companies such as Boeing, Lockheed Martin, Procter & Gamble, and Eastman Kodak have defined future supply chain architectures, to guide their transformations by detailing the steps necessary to achieve the end-state, the resources required, and how to marshal those resources via a series of initiatives to deliver on the organizational goals. Further, organizations use Enterprise Architecture to ensure that a holistic view is adopted.

What are our goals?

- Transform Logistics Operations to:
 - 20% increase in equipment availability
 - Reduce Annual O&S Cost by 10% (\$2.75B) NLT FY11

Future Supply Chain Operations Vision:

- Flexible, responsive, scalable, modular, expeditionary capability tailored to meet the full range of mission need
- Well-led motivated people with the right tools and skills to get the job done.
- Centralized, enterprise focused, iterative planning process
- Dynamic, unified, and cascading goals
- Network-centric operations – centralized planning, decentralized execution, real-time C3I
- Integrated supply chain across the AF and partners (suppliers, DoD, customers)

What is different in the future state?

We will manage the logistics enterprise as a single enterprise and eliminate the vertical stovepipes of the past, by re-aligning organizations. We will enable our logistics chain management with best practice solutions and leverage fully integrated, web enabled systems. We will codify our single end-to-end objective on customer support using a performance driven culture, focused on enterprise mission goals. We will manage processes with a focus on proactive/anticipatory management with business intelligence, event-driven modeling and visualization systems, and supply chain dashboard capabilities. We will adopt management by responsibility, accountability, and authority rather than through many metrics and oversight. We will redefine the Air Force logistics structure to become network centric with dynamic C3I and instant feedback permitting rapid supply chain reconfiguration - in other words, a plug and play logistics network for maintainers, suppliers (including organic), inventory managers, etc. We will enable this network structure by transitioning to strategic planning and enterprise management based upon a common operating picture and by centralizing our planning and distribution functions, while maintaining decentralized execution. We will

ultimately bring into alignment our logistics systems, processes, procedures, organization, and infrastructure to create a responsive, reflexive, and robust logistics chain.

We will adopt transformational postures relative to integrating the logistics chain. We will eliminate or outsource those functions, organizations, or processes that do not support our core competencies while focusing on becoming the best in class for Air Force core competencies. We will fully integrate the core competencies of other organizations – public or private – into our logistics processes and exploit the core competencies of other organizations by leveraging partnerships wherever possible.

What is our timeline?

The LogEA effort was initiated in April 2003. By the end of 2003, the LogEA iterative defined the future state Operational and Systems Architecture (further supported with a Business Case) with a high-level Transition Plan outlining the roadmap AF/IL needs to follow to get there. A Costing Model was created to quantify the Transition Plan and end solution costs for the Air Force.

For 2004, the LogEA efforts have been focused on the realization of the Transition Plan and end solution. Information has been further gathered to detail the solution and plan. The necessary funding streams to enable the end solution have been identified and assigned. To further risk mitigation efforts, LogEA has been working with other Domains (AF/DP, SAF/FM, SAF/AQ) to truly enable end-to-end connectivity with Enterprise Architectures. Significant efforts have also been made to align programs within AF/IL to the LogEA vision.

How can I learn more about LogEA?

For more information, we invite you to visit our website at:

<https://www.my.af.mil/>

AF Home > AF Transformation Initiatives > eLog21

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